



# DECUS

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TITLE	BASOVR - 8K BASIC OVERLAY FOR PDP-8/S
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SOURCE LANGUAGE	PAL III

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BASOVR

8K BASIC OVERLAY FOR PDP-8/S

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This overlay allows 8K BASIC (DEC-08-LBASA-A-PB) described in "Programming Languages 1972" to run on a 8K PDP-8/S.

It uses the following extra locations :

00176;04174-04177;05172-05177;05577;06576;07764-07777

(please note that it is imperative that binary loader be in field one).

The differences between PDP-8/S and PDP-8/E BASIC are :

- a reduction of the space for an user-coded function,
- a truncation of error messages RETURN, SUBSCRIPT and FUNCTION which respectively become RTRN, SBSPT and F,
- and speed, of course.



RASOVR.PA - JAR - 6/7/72.

OK BASIC OVERLAY FOR PDP-8/S.

EXTRA LOCATIONS USED :

00176,04174-04177,05172-05177,05577,  
06576,07764-07777.

IT IS IMPERATIVE THAT BINARY LOADER  
BE IN FIELD ONE.

\*\*\*\*\*  
\* 4106/7146 ( CLL CMA RTL ) \*  
\*\*\*\*\*

4106  
04116 4374  
  
4174  
04174 0000 A5,  
04175 7140  
04176 7006  
04177 5774

\*4106  
JMS A5  
  
\*4174  
0  
CLL CMA  
RTL  
JMP I A5

\*\*\*\*\*  
\* 6026/7164 ( CLL CMA CML RAL ) \*  
\*\*\*\*\*

6026  
06026 4775  
  
6175  
06175 7774 PA4,  
  
7774  
07774 0000 A4,  
07775 7160  
07776 7004  
07777 5774

\*6026  
JMS I PA4  
  
\*6175  
A4  
  
\*7774  
0  
CLL CMA CML  
RAL  
JMP I A4

\*\*\*\*\*  
\* 0757/7170 ( CLL CML CMA RAR ) \*  
\*\*\*\*\*

0757  
0077 4717  
  
0714  
00714 2224

\*757  
JMS I PA1

\*714  
2224 /RT





3





```

05577 7764 P2A3, A3
/
/
06556 4556 *6556
06556 4776 JMS I P3A3
/
06576 6576 *6576
06576 7764 P3A3, A3
/
/
07764 7764 *7764
07764 0000 A3, 0
07765 7349 CLA CLL CMA
07766 7004 RAL
07767 5764 JMP I A3

```

```

*****
* 1555/7346 ( CLA CLL CMA RTI ) *
* 2174/7346 *
* 3425/7346 *
* 4237/7346 *
* 4422/7346 *
* 4522/7346 *
* 4571/7346 *
* 4637/7346 *
*****

```

```

01555 1555 *1555
01555 4576 JMS I PA2
/
02174 2174 *2174
02174 4576 JMS I PA2
/
03425 3425 *3425
03425 4576 JMS I PA2
/
04237 4237 *4237
04237 4576 JMS I PA2
/
04422 4422 *4422
04422 4576 JMS I PA2
/
04522 4522 *4522
04522 4576 JMS I PA2
/
04571 4571 *4571
04571 4576 JMS I PA2
/
04637 4637 *4637
04637 4576 JMS I PA2
/
/

```



	0176		*176	
00176	0354	PA2,	A2	
		/		
	0353		*353	
00353	0600		600	
00354	0000	A2,	0	/F
00355	7340		CLA CIL CMA	
00356	7006		RTL	
00357	5754		JMP I A2	
		/		
		/		
		/		
		/		
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